Equal opportunities for exploitation of non-conventional energy

†1412. SHRI JAI PARKASH AGGARWAL: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government have taken any steps for giving equal opportunities for exploiting non-conventional energy in all the States;

(b) if so, the details thereof; and

(c) the details of the progress made so far in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) and (b) To facilitate exploitation of non-conventional energy in the country, financial and fiscal incentives are being provided that include capital/interest subsidy, accelerated depreciation, concessional duties and relief from taxes, which are applicable in all States/UTs. This apart, the Electricity Act 2003, National Electricity Policy 2005 and National Tariff Policy 2006 provide a common framework for the regulation of renewable power in all States/UTs. This Ministry's schemes relating to bio-gas plants, biomass gasifers and small hydro power, however, provide for a higher level of central financial assistance for Special Category States. Further, subsidy on solar lanterns is available for unelectrified villages only in Special Category States.

(c) State-wise details of cumulative achievements under various non-conventional energy programmes, as on 31.03.2006 are given in the enclosed Statement. (*See* below).

Statement

State-wise cumulative achievements under various non-conventional energy programmes as on 31.03.2006.

A. Grid-Connected Renewable Power

Sl. No.	States/UT	Small Hydro Power	Wind Power	Bio Power		Solar Power	Total Capacity
				Biomass Power	Waste to Energy		
		(MW)	(MW)	(MW)	(MW)	(kWp)	(MW)
1.	Andhra Pradesh	178.81	121.00	279.25	22.50	0.28	601.84
2.	Arunachal Pradesh	44.30	0.00	0.00	0.00	0.00	44.30

1	2	3	4	5	6	7	8
3.	Assam	2.11	0.00	0.00	0.00	0.00	2.11
4.	Bihar	50.40	0.00	0.00	0.00	0.00	50.40
5.	Chhattisgarh	11.00	0.00	27.50	0.00	0.00	38.50
6.	Goa	0.05	0.00	0.00	0.00	0.00	0.05
7.	Gujarat	7.00	338.10	0.50	0.00	0.00	345.60
8.	Haryana	62.70	0.00	6.00	0.00	0.00	68.70
9.	Himachal Pradesh	132.08	0.00	0.00	0.00	0.00	132.08
10.	Jammu & Kashmir	109.74	0.00	0.00	0.00	0.00	109.74
11.	Jharkhand	4.05	0.00	0.00	0.00	0.00	4.05
12.	Karnataka	329.63	584.60	224.48	1.00	0.03	1139.74
13.	Kerala	84.62	2.00	0.00	0.00	0.03	86.65
14.	Madhya Pradesh	41.16	40.30	1.00	2.70	0.34	85.50
15	Maharashtra	207.08	989.60	36.00	1.00	0.19	1233.87
16.	Manipur	5.45	0.00	0.00	0.00	0.00	5.45
17.	Meghalaya	30.71	0.00	0.00	0.00	0.00	30.71
18.	Mizoram	14.76	0.00	0.00	0.00	0.00	14.76
19.	Nagaland	20.67	0.00	0.00	0.00	0.00	20.67
20.	Orissa	7.30	0.00	0.00	0.00	0.00	7.30
21.	Punjab	122.55	0.00	28.00	1.00	0.33	151.88
22.	Rajasthan	23.85	339.60	15.30	0.00	0.15	378.90
23.	Sikkim	38.60	0.00	0.00	0.00	0.00	38.60
24.	Tamil Nadu	77.70	2892.50	174.00	1.75	0.21	3146.16
25.	Tripura	16.01	0.00	0.00	0.00	0.00	16.01
26.	Uttar Pradesh	25.10	0.00	121.50	5.00	0.33	151.93
27.	Uttaranchal	75.45	0.00	0.00	0.00	0.05	75.50
28.	West Bengal	98.30	1.10	0.00	0.00	0.05	99.45
29.	Andaman & Nicobar	5.25	0.00	0.00	0.00	0.10	5.35
30.	Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00
31.	Dadar & Nagar Haveli	0.00	0.00	0.00	0.00	0.00	0.00
32.	Daman & Diu	0.00	0.00	0.00	0.00	0.00	0.00
33.	Delhi	0.00	0.00	0.00	0.00	0.00	0.00
34.	Lakshadweep	0.00	0.00	0.00	0.00	0.65	0.65
35.	Pondicherry	0.00	0.00	0.00	0.00	0.03	0.03
	Others	0.00	1.60	0.00	0.00	0.00	1.60
	TOTAL (MW)	1826.43	5310.40	913.53	34.95	2.75	8088.06

MW=mega watt

B. Off-grid/Decentralized Renewable Energy Systems/Devices:

Sl. No.	States/UT	Biogas Plants	Biomass Gasifiers	Waste to Energy Plants	Solar Photovoltaic Systems				SPV Pumps	Water Pumping Wind Mills	Aerogen/ Hybrid Systems	Solar Cookers	Remote Village Electri-fication Villages/ Hamlets	VESP	Energy Parks
					SLS	HLS	SL	PP							
		(Nos.)	(MW)	(MW)	No.	No.	No.	No.	(Nos)	(Nos)	(KW)	(Nos)	(Nos)	(Nos)	(Nos)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Andhra Pradesh	400857	15.68	1.20	3733	1246	35152	21.66	613	6	16	12867		3	30
2	Arunachal Pradesh	2210	1.58		738	1270	4937	7.90	1			530	106		4
3	Assam	58667	0.12		98	2787	541	7.50	45	3	6	80	39	14	12
4	Bihar	124935	0.02		690	1069	33765		139	46		475			4
5	Chhattisgarh	16952	0.51		1409	6864	3192		14			37136	325	9	10
6	Goa	3732	0.02		174	167	443	1.72		15		39	1500		2
7	Gujarat	378846	15.21	2.95	2004	4952	31603	29.90	85	646		114595	2	3	14
8	Haryana	49190	1.19		852	13266	32727	24.20	469			24366			20
9	Himachal Pradesh	44866	0.01		1794	11948	20697	1.50		6			28264	1	12
10	Jammu & Kashmir	2122	0.52		389	15317	9202	75.60		39			368	90	8
11	Jharkhand	2083	0.18		383	102	16374					280	53	1	16
12	Karnataka	392382	6.23		1219	8921	7334	29.41	456	25	10	254			22
13	Kerala	108313	0.73		1090	18679	41181	44.70	810	79	8	236	558	17	
14	Madhya Pradesh	247536	4.73		5846	924	8564	22.40		87	141618		15	23	
15	Maharashtra	719084	4.67	0.80	3491	825	8683	6.44	228	26	344	58044		7	40
16	Manipur	2128	—		370	1650	3883	11.00	12			365	109		10
17	Meghalaya	4226	0.25		593	1540	4875	42.00	19			1165	25		7
18	Mizoram	3470	0.20		315	2245	5812	109.00	37			110	7		8
19	Nagaland	2617	0.28		271	143	95	6.00							6
20	Orissa	224373	0.07	0.03	5769	4344	9882	36.52	5		3437	18	10	10	
21	Punjab	80682	0.70	0.75	2137	3180	14995	71.00	1821			22050			20
22	Rajasthan	66944	1.07		6573	45330	4416	25.80	283	283	222	4	36683	6	10
23	Sikkim	5574	—		152	10215	720	14.70			10	20			4
24	Tamil Nadu	210040	4.03	1.98	2272	471	16818	30.05	829	56	25	1537		4	45

25	Tripura	2442	1.10		760	2238	20805	24.57	25		80	31			10
26	Uttar Pradesh	407966	5.33	3.00	950	50938	52815	129.20	751			51664			39
27	Uttaranchal	6603			250	36980	27027	80.03	26			8047	429	5	11
28	West Bengal	263587	8.05		1611	26890	3662	675.00	48		18	7959	1038	7	9
29	Andaman & Nicobar	137	0.17		358	405	6296	167.00	5	2		60			6
30	Chandigarh	97				275	1675		12			1529			4
31	Dadar & Nagar Haveli	169							1			80			
32	Daman & Diu														
33	Delhi	677	0.07		301		4753	30.00	89			27990			11
34	Lakshadweep							85.00							
35	Pondicherry	573	0.60		62	13	1637		21		5	90			3
36	Others		0.32		8005	5669	28197	50.00				16750			12
	Total	3834080	73.64	10.81	54659	280863	463058	1859.80	6991	1111	485	600229	2831	84	459

SLS=Street Lighting System; HLS=Home Lighting System; SL=Solar Lanterns; SPV=Solar Photovoltaic; MW=Mega Watt; kWp=kilowatt peak; VESP=Village Energy Security Project.